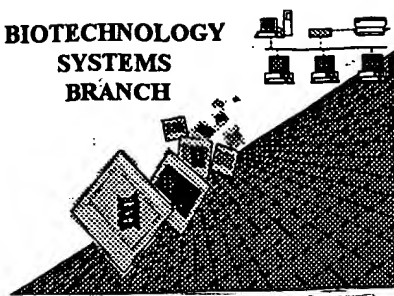


1642

TECH CENTER 1600/2900

JAN 30 2002

1124 RECEIVED

BIOTECHNOLOGY
SYSTEMS
BRANCH

RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/963,761A
Source: 1609
Date Processed by STIC: 1/22/2002

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom, including:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)

2. U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202

3. Hand Carry directly to:

U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202

Or

U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Raw Sequence Listing Error Summary

TECH CENTER, 1600/2000

NOV 30 2002

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SUGGESTED CORRECTION

SERIAL NUMBER: 09/963,761A

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1 Wrapped Nucleics
 Wrapped Aminos The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
- 2 Invalid Line Length The rules require that a line not exceed 72 characters in length. This includes white spaces.
- 3 Misaligned Amino
 Numbering The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
- 4 Non-ASCII The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
- 5 Variable Length Sequence(s) contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
- 6 PatentIn 2.0
 "bug" A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
- 7 Skipped Sequences
 (OLD RULES) Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence:
 (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
 (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 This sequence is intentionally skipped

 Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.
- 8 Skipped Sequences
 (NEW RULES) Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence.
 <210> sequence id number
 <400> sequence id number
 000
- 9 Use of n's or Xaa's
 (NEW RULES) Use of n's and/or Xaa's have been detected in the Sequence Listing.
 Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.
 In <220> to <223> section, please explain location of n or Xaa; and which residue n or Xaa represents.
- 10 Invalid <213>
 Response Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence
- 11 Use of <220> Sequence(s) missing the <220> "Feature" and associated numeric identifiers and responses.
 Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.
 (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
- 12 PatentIn 2.0
 "bug" Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
- 13 Misuse of n n can only be used to represent a single nucleotide in a nucleic acid sequence. N is not used to represent any value not specifically a nucleotide.



1600

RAW SEQUENCE LISTING

DATE: 01/22/2002

PATENT APPLICATION: US/09/963,761A

TIME: 09:26:27

Input Set : A:\PTO.VSK.txt

Output Set: N:\CRF3\01222002\I963761A.raw

pp 1-5
Does Not Comply
Corrected Diskette Needed

3 <110> APPLICANT: Arazi, Tzahi
4 Amit, Gal-On
5 Shibolet, Yoel Moshe
7 <120> TITLE OF INVENTION: VECTORS FOR EXPRESSING HETEROLOGOUS PEPTIDES AT THE AMINO-
TERMINUS OF
8 POTYVIRUS COAT PROTEIN, METHODS FOR USE THEREOF, PLANTS INFECTED WITH SAME AND
9 METHODS OF VACCINATION USING SAME
11 <130> FILE REFERENCE: 1686/4
13 <140> CURRENT APPLICATION NUMBER: 09/963,761A
14 <141> CURRENT FILING DATE: 2001-09-27
16 <150> PRIOR APPLICATION NUMBER: US 60/253,136
17 <151> PRIOR FILING DATE: 2000-11-28
19 <160> NUMBER OF SEQ ID NOS: 33
21 <170> SOFTWARE: PatentIn version 3.1
23 <210> SEQ ID NO: 1
24 <211> LENGTH: 837
25 <212> TYPE: DNA
26 <213> ORGANISM: unidentified *see item 10 on Evn Summary Sheet*
28 <400> SEQUENCE: 1
29 tcaggcactc agccaactgt ggcagatgct ggagctacaa agaaagataa agaagatgac 60
31 aaagggaaaa acaaggacgt tacaggctcc ggctcaggtg agaaaacagt agcagctgtc 120
33 acgaaggaca aggatgtgaa tgctggttct catgggaaaa ttgtgccgcg tctttcgaag 180
35 atcacaaaaga aaatgtcatt gccacgcgtg aaaggaaatg tgatactcga tattgatcat 240
37 ttgctggaat ataaaccgga tcaaattgag ttatataaca caccagcgtc tcatcagcag 300
39 ttcgcctctt ggttcaacca ggttaagacg gaatatgatt tgaacgagca acagatggga 360
41 gttgtaatat atggtttcat ggtttggtgc attgagaatg gcacttcacc cgacattaat 420
43 ggagtgtggg ttatgatgga cggaaatgag caagttgagt atcccttgaa accaatagtt 480
45 gaaaatgcaa agccaacgct gcggcaaata atgcatcatt tttcagatgc agcggaggca 540
47 tatatataga tgagaaatgc agaggcacca tacatgccga ggtatggttt gcttcgaaac 600
49 ctacgggata ggagttagc acgatatgct ttgatttct atgaagtcaa ttctaaaact 660
51 cctgaaagag cccgcgaagc tggtgcgcag atgaaagcag cagctcttag caatgtttct 720
53 tcaaggttgt ttggccttga tggaaatgtt gccaccacta gcgaagacac tgaacggcac 780
55 actgcacgtg atgtaatatg aaacatgcac accttactag gtgtgaatac aatgcag 837
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59 <211> LENGTH: 279
60 <212> TYPE: PRT
61 <213> ORGANISM: unidentified *same evn*
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66 1 5 10 15
69 Lys Glu Asp Asp Lys Gly Lys Asn Lys Asp Val Thr Gly Ser Gly Ser
70 20 25 30
73 Gly Glu Lys Thr Val Ala Ala Val Thr Lys Asp Lys Asp Val Asn Ala
74 35 40 45

RAW SEQUENCE LISTING

DATE: 01/22/2002

PATENT APPLICATION: US/09/963,761A

TIME: 09:26:27

Input Set : A:\PTO.VSK.txt

Output Set: N:\CRF3\01222002\I963761A.raw

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77 Gly Ser His Gly Lys Ile Val Pro Arg Leu Ser Lys Ile Thr Lys Lys
78      50                      55                      60
81 Met Ser Leu Pro Arg Val Lys Gly Asn Val Ile Leu Asp Ile Asp His
82 65                      70                      75                      80
85 Leu Leu Glu Tyr Lys Pro Asp Gln Ile Glu Leu Tyr Asn Thr Arg Ala
86                      85                      90                      95
89 Ser His Gln Gln Phe Ala Ser Trp Phe Asn Gln Val Lys Thr Glu Tyr
90                      100                      105                      110
93 Asp Leu Asn Glu Gln Gln Met Gly Val Val Met Asn Gly Phe Met Val
94                      115                      120                      125
97 Trp Cys Ile Glu Asn Gly Thr Ser Pro Asp Ile Asn Gly Val Trp Val
98                      130                      135                      140
101 Met Met Asp Gly Asn Glu Gln Val Glu Tyr Pro Leu Lys Pro Ile Val
102 145                      150                      155                      160
105 Glu Asn Ala Lys Pro Thr Leu Arg Gln Ile Met His His Phe Ser Asp
106                      165                      170                      175
109 Ala Ala Glu Ala Tyr Ile Glu Met Arg Asn Ala Glu Ala Pro Tyr Met
110                      180                      185                      190
113 Pro Arg Tyr Gly Leu Leu Arg Asn Leu Arg Asp Arg Ser Leu Ala Arg
114                      195                      200                      205
117 Tyr Ala Phe Asp Phe Tyr Glu Val Asn Ser Lys Thr Pro Glu Arg Ala
118                      210                      215                      220
121 Arg Glu Ala Val Ala Gln Met Lys Ala Ala Ala Leu Ser Asn Val Ser
122 225                      230                      235                      240
125 Ser Arg Leu Phe Gly Leu Asp Gly Asn Val Ala Thr Thr Ser Glu Asp
126                      245                      250                      255
129 Thr Glu Arg His Thr Ala Arg Asp Val Asn Arg Asn Met His Thr Leu
130                      260                      265                      270
133 Leu Gly Val Asn Thr Met Gln
134                      275
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138 <211> LENGTH: 20
139 <212> TYPE: DNA
140 <213> ORGANISM: unidentified
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146 <210> SEQ ID NO: 4
147 <211> LENGTH: 21
148 <212> TYPE: DNA
149 <213> ORGANISM: unidentified
151 <400> SEQUENCE: 4
152 tcacaccatc accatcacca t
155 <210> SEQ ID NO: 5
156 <211> LENGTH: 7
157 <212> TYPE: PRT
158 <213> ORGANISM: unidentified
160 <400> SEQUENCE: 5
162 Ser His His His His His His
163 1                      5

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20

21

RAW SEQUENCE LISTING

DATE: 01/22/2002

PATENT APPLICATION: US/09/963,761A

TIME: 09:26:27

Input Set : A:\PTO.VSK.txt

Output Set: N:\CRF3\01222002\I963761A.raw

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168 <212> TYPE: DNA
169 <213> ORGANISM: unidentified
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172 cagctgcagt cacaccatca ccatcaccat tcaggcactc agccaactgt ggc 53
175 <210> SEQ ID NO: 7
176 <211> LENGTH: 55
177 <212> TYPE: DNA
178 <213> ORGANISM: unidentified
180 <400> SEQUENCE: 7
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184 <210> SEQ ID NO: 8
185 <211> LENGTH: 45
186 <212> TYPE: DNA
187 <213> ORGANISM: unidentified
189 <400> SEQUENCE: 8
190 tcagcatcag agcagaagct catttcagag gaggatctcg gatcc 45
193 <210> SEQ ID NO: 9
194 <211> LENGTH: 15
195 <212> TYPE: PRT
196 <213> ORGANISM: unidentified
198 <400> SEQUENCE: 9
200 Ser Ala Ser Glu Lys Leu Ile Ser Glu Glu Asp Leu Gly Ser
201 1 5 10 15
204 <210> SEQ ID NO: 10
205 <211> LENGTH: 77
206 <212> TYPE: DNA
207 <213> ORGANISM: unidentified
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212 actcagccaa ctgtggc 77
215 <210> SEQ ID NO: 11
216 <211> LENGTH: 82
217 <212> TYPE: DNA
218 <213> ORGANISM: unidentified
220 <400> SEQUENCE: 11
221 cagctgcagt cagcatcaga gcagaagctc atttcagagg aggatctcgg atccgatact 60
223 ggagctacaa agaaagataa ag 82
226 <210> SEQ ID NO: 12
227 <211> LENGTH: 81
228 <212> TYPE: DNA
229 <213> ORGANISM: unidentified
231 <400> SEQUENCE: 12
232 cagctgcagt cagcatcaga gcagaagctc atttcagagg aggatctcgg atccaagaaa 60
234 gataaagaag atgacaaagg g 81
237 <210> SEQ ID NO: 13
238 <211> LENGTH: 31
239 <212> TYPE: DNA

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RAW SEQUENCE LISTING

DATE: 01/22/2002

PATENT APPLICATION: US/09/963,761A

TIME: 09:26:27

Input Set : A:\PTO.VSK.txt

Output Set: N:\CRF3\01222002\I963761A.raw

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240 <213> ORGANISM: unidentified
242 <400> SEQUENCE: 13
243 cgcggatccg atgacaaagg gaaaaacaag g 31
246 <210> SEQ ID NO: 14
247 <211> LENGTH: 30
248 <212> TYPE: DNA
249 <213> ORGANISM: unidentified
251 <400> SEQUENCE: 14
252 ctcggatcca acaaggatgt tacaggctcc 30
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256 <211> LENGTH: 27
257 <212> TYPE: DNA
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264 <210> SEQ ID NO: 16
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267 <213> ORGANISM: unidentified
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270 cgcggatccg agaaaacagt ggcagctgtc 30
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275 <212> TYPE: DNA
276 <213> ORGANISM: unidentified
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279 cgcggatccg ctgtcacgaa ggacaagg 28
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283 <211> LENGTH: 33
284 <212> TYPE: DNA
285 <213> ORGANISM: unidentified
287 <400> SEQUENCE: 18
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292 <211> LENGTH: 30
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294 <213> ORGANISM: unidentified
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301 <211> LENGTH: 51
302 <212> TYPE: DNA
303 <213> ORGANISM: unidentified
305 <400> SEQUENCE: 20
306 agtgtgagag gagatcttca agtgcttgca cgaagcag caagaccact t 51
309 <210> SEQ ID NO: 21
310 <211> LENGTH: 17
311 <212> TYPE: PRT
312 <213> ORGANISM: unidentified

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RAW SEQUENCE LISTING

DATE: 01/22/2002

PATENT APPLICATION: US/09/963,761A

TIME: 09:26:28

Input Set : A:\PTO.VSK.txt

Output Set: N:\CRF3\01222002\I963761A.raw

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314 <400> SEQUENCE: 21
316 Ser Val Arg Gly Asp Leu Gln Val Leu Ala Arg Lys Ala Ala Arg Pro
317 1          5          10          15
320 Leu
324 <210> SEQ ID NO: 22
325 <211> LENGTH: 87
326 <212> TYPE: DNA
327 <213> ORGANISM: unidentified
329 <400> SEQUENCE: 22
330 cagctgcagt ccgtgagagg agatcttcaa gtgcttgac gaaaagcagc aagaccactt 60
332 aagaaagata aagaagatga caaagg 87
335 <210> SEQ ID NO: 23
336 <211> LENGTH: 83
337 <212> TYPE: DNA
338 <213> ORGANISM: unidentified
340 <400> SEQUENCE: 23
341 cagctgcaga gtgtgagagg agatcttcaa gtgcttgac gaaaagcagc aagaccactt 60
343 tcaggcactc agccaactgt ggc 83
346 <210> SEQ ID NO: 24
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348 <212> TYPE: DNA
349 <213> ORGANISM: unidentified
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354 aaagataaag aagatgacaa aggg 84
357 <210> SEQ ID NO: 25
358 <211> LENGTH: 33
359 <212> TYPE: DNA
360 <213> ORGANISM: unidentified
362 <400> SEQUENCE: 25
363 cagctgcagt ccgagaaaac agtggcagct gtc 33
366 <210> SEQ ID NO: 26
367 <211> LENGTH: 34
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375 <210> SEQ ID NO: 27
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377 <212> TYPE: DNA
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381 cagctgcagt ccaagaaaga caaagaagat gacaaag 37
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385 <211> LENGTH: 24
386 <212> TYPE: DNA
387 <213> ORGANISM: unidentified
389 <400> SEQUENCE: 28
390 tccattatta atttcgaaaa gttg 24

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*Please correct this
error in subsequent
sequences, too.*

VERIFICATION SUMMARY

DATE: 01/22/2002

PATENT APPLICATION: US/09/963,761A

TIME: 09:26:29

Input Set : A:\PTO.VSK.txt

Output Set: N:\CRF3\01222002\I963761A.raw